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## WHAT IS CLAIMED IS:

- 1. A system for bidding for a process execution over a heterogeneous network, said system comprising a network server adapted to receive a payload over the heterogeneous network from a network client, wherein the payload comprises specifications for a process execution associated with a task, wherein the server is further adapted to simulate the process execution, and provide a bid solicitation for the process execution from a network host.
- 10 2. The system as recited in claim 1, wherein the system further comprises a financial resolution center.
  - 3. The system as recited in claim 1, wherein the heterogeneous network comprises a network of computational devices.

4. The system as recited in claim 1, wherein the heterogeneous network is absent information sent thereacross for maintaining secure access thereto.

- 5. The system as recited in claim 3, wherein the network of computational devices20 comprises a network of multiple platforms.
  - 6. The system as recited in claim 1, wherein the payload is encrypted.
  - 7. The system as recited in claim 1, wherein the bid solicitation is encrypted.
  - 8. The system as recited in claim 1, wherein providing a bid solicitation comprises providing a process simulation data set.
- 9. The system as recited in claim 2, wherein the network server is further adapted to receive a bid for the process execution.

- 10. The system as recited in claim 9, wherein the network server is further adapted to validate the bid with the financial resolution center.
- 5 11. The system as recited in claim 10, wherein the network server is further adapted to evaluate the bids.
  - 12. The system as recited in claim 11, wherein evaluating the bids comprises mediating negotiations between the network host and the network client, wherein the negotiations relate to the process execution.
    - 13. The system as recited in claim 12, wherein the network server is further adapted to maintain confidentiality as to the identity of the network client and the network host.
- 15 14. A method for soliciting a bid for a process execution associated with a task, said method comprising:

receiving a payload on a server, wherein the payload comprises specifications for a process execution associated with a task;

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simulating the process execution from the payload; and

providing a bid solicitation for the process execution.

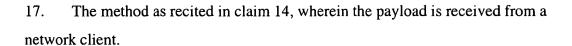
- 25 15. The method as recited in claim 14, wherein simulating the process comprises executing a portion of the process.
  - 16. The method as recited in claim 14, wherein providing a bid solicitation comprises providing a process simulation data set, and wherein the process simulation data set provides information associated with the process execution related to the task.

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- 5 18. The method as recited in claim 14, wherein the payload further comprises:
  - a security permission dataset related to the identity of the task and the identity of the network client requesting process execution associated with the task;
- and a financial data set related to the budget of the task.
  - 19. The method as recited in claim 18, further comprising validating the payload with a financial resolution center, wherein the financial resolution center is adapted to authenticate the financial data set.
  - 20. The method as recited in claim 14, further comprising receiving a bid from a network host.
  - 21. The method as recited in claim 20, wherein the bid comprises:
    - a bid data set relating to the compensation requested in exchange for the process execution;
    - a host identity data set relating to the identity of the host providing the bid; and
    - a capability data set, wherein the capability data set includes a capability index indicating the host's process execution history.
- 22. The method as recited in claim 21, further comprising validating the bid with a 30 financial resolution center.

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24. The method as recited in claim 20, wherein the bid is encrypted.

25. The method as recited in claim 17, wherein the server is unknown to the client.

- 26. The method as recited in claim 17, wherein the client is unknown to the server.
- 10 27. The method as recited in claim 20, wherein the host is unknown to the server.
  - 28. The method as recited in claim 20, wherein the server is unknown to the host.
  - 29. A computer-usable carrier medium, comprising:

first programming instructions executable on a computational device for receiving a payload wherein the payload comprises specifications for a process to be executed; and

- second programming instructions executable on the computational device for simulating the process specified by the payload to quantify a bid amount for the process before execution of the process.
- 30. The carrier medium as recited in claim 29, further comprising third programming
  25 instructions executable on the computational device for providing a bid solicitation for the process execution.